

SBI3U Animals: Structures and Functions Unit

Application Project

Public Awareness Poster

You will be researching a societal or technological topic that is related to the respiratory, circulatory, OR digestive system and the following curriculum expectation:

Analyse the relationships between changing societal needs, technological advances, and our understanding of internal systems of humans.

Proper academic documentation is required, including in-text and graphic citations, and a list of sources in APA style. (Good sources + proper academic documentation = thinking/inquiry mark.)

Your product may take the form of a poster that will be printed using our HP design printer (using Photoshop, Glogster, or any other graphic program or application that you may be familiar with) OR an oral presentation with slideshow/prezi.

Strive to find Canadian information – statistics or Canadian contributions to technology.

You will be assessed on the overall impact of your poster by both your peers and your teacher.

POSSIBLE TOPICS (You are not limited to these topics, but you must relate your choice to at least one of the 3 organ systems being studied. If you have another related idea, run it by your teacher for approval.)

- endoscopes
- surgical laser applications
- nuclear magnetic resonance (NMR) imaging (i.e., MRI's and computerized tomography)
- two photon imaging microscope
- nanotechnologies and non-invasive surgeries
- use of computer software for viewing 3-D models of organs
- new technologies in treating diabetes
- examples of new food products that have resulted from societies demand for multi-functional products (i.e., low-cal junk food,
- new technologies that have arisen from the shortage of needed organs for transplant

